

H/S

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Kazunori OZAWA

Appln. No. 09/985,853

Confirmation No.: 4465

Filed: November 6, 2001



Atty. Dkt.: Q67063

Group Art Unit: 2641

Examiner: Unknown

For: **SPEECH DECODER CAPABLE OF DECODING BACKGROUND NOISE SIGNAL  
WITH HIGH QUALITY**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. SHROEDER et al., "Code-Excited Linear Prediction (CELP): High-Quality Speech at Very Low Bit Rates", *Proc. ICASSP 85*, Vol. 3 of 4, March 26-29, 1985, pp. 937-940.
2. KLEIJN et al., "Improved Speech Quality and Efficient Vector Quantization in SELP", *Proc. ICASSP 88*, Vol. 1, 1988, pp. 155-158.
3. Laflamme et al., "16 KBPS Wideband Speech Coding Technique Based on Algebraic CELP", *Proc. ICASSP 91*, Vol. 1, May 14-17, 1991, pp. 13-16.
4. NAKAMIZO, "Signal Analysis and System Identification", published by Corona, 1998, pp. 82-87.

# INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No. 09/985,853

5. SUGAMURA et al., "Speech Data Compression by LSP Speech Analysis-Synthesis Technique", *Journal of the Electronic Communications Society of Japan*, J64-A, 1981, pp. 599-606.
6. Japanese Unexamined Patent Publication No. 1-267700, published October 25, 1989, with English Abstract.
7. Japanese Unexamined Patent Publication No. 9-244695, published September 19, 1997, with English Abstract.
8. Japanese Unexamined Patent Publication No. 10-83200, published March 31, 1998, with English Abstract.
9. Japanese Unexamined Patent Publication No. 10-171497, published June 26, 1998, with English Abstract.
10. Japanese Unexamined Patent Publication No. 2000-89797, published March 31, 2000, with English Abstract.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant states that References 4 and 5 above are discussed within the specification beginning at page 10, line 4 and page 11, line 1, respectively.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not

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U.S. Appln. No. 09/985,853

waive any right to take any action that would be appropriate to antedate or otherwise remove any  
listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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Date: January 28, 2002

Substitute for form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/985,853
				Confirmation Number	4465
				Filing Date	November 06, 2001
				First Named Inventor	Kazunori OZAWA
				Art Unit	2641
Sheet 1 of 1				Examiner Name	Unknown
				Attorney Docket Number	Q67063

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	01-267700	A	10-25-1989	NEC Corporation	Abstract
		JP	09-244695	A	09-19-1997	Kobe Steel Ltd.	Abstract
		JP	10-83200	A	03-31-1998	Fujitsu Ltd.	Abstract
		JP	10-171497	A	06-26-1998	Oki Electric Ind. Co., Ltd.	Abstract
		JP	2000-89797	A	03-31-2000	Matsushita Electric Ind. Co., Ltd.	Abstract

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		SHROEDER et al., "Code-Excited Linear Prediction (CELP): High-Quality Speech at Very Low Bit Rates", <i>Proc. ICASSP 85</i> , Vol. 3 of 4, March 26-29, 1985, pp. 937-940	
		KLEIJN et al., "Improved Speech Quality and Efficient Vector Quantization in SELP", <i>Proc. ICASSP 88</i> , Vol. 1, 1988, pp. 155-158	
		NAKAMIZO, "Signal Analysis and System Identification", published by Corona, 1998, pp. 82-87	
		Laflamme et al., "16 KBPS Wideband Speech Coding Technique Based on Algebraic CELP", <i>Proc. ICASSP 91</i> , Vol. 1, May 14-17, 1991, pp. 13-16	
		SUGAMURA et al., "Speech Data Compression by LSP Speech Analysis-Synthesis Technique", <i>Journal of the Electronic Communications Society of Japan</i> , J64-A, 1981, pp. 599-606	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.